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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/285,879	04/07/1999	YOSHIFUSA TOGAWA	614.1957	4256
21171 7	590 05/05/2003			
STAAS & HALSEY LLP			EXAMINER	
700 11TH STR SUITE 500	•	•	THAI, XUAN MARIAN	
WASHINGTO	N, DC 20001		ART UNIT	PAPER NUMBER
			2181	/2
			DATE MAILED: 05/05/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Applicati n N .	Applicant(s)	
	09/285,879	TOGAWA, YOSHIFUS	<b>A</b>
Offic Action Summary	Examiner	Art Unit	
	XUAN M. THAI	2181	_
The MAILING DATE of this communication ap Period f r Reply	ppears on the cover sheet v	vith the corresp ndence addres	is
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a ply within the statutory minimum of th d will apply and will expire SIX (6) MC te. cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this commu	inication.
Status	0000 144 5-1		
1) Responsive to communication(s) filed on <u>27</u>		o <u>ruary 2003</u> .	
	his action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under	vance except for formal ma r <i>Ex parte Quayle</i> , 1935 C	atters, prosecution as to the m .D. 11, 453 O.G. 213.	erits is
Disposition of Claims	•		
4) Claim(s) 1-36 is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra	awn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-36</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/	or election requirement.		
Application Papers			
9) The specification is objected to by the Examin		the Everiner	
10) The drawing(s) filed on is/are: a) acce			
Applicant may not request that any objection to to 11). The proposed drawing correction filed on			
If approved, corrected drawings are required in re		aloapprovou by the Examinen	
12) The oath or declaration is objected to by the E			
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	an priority under 35 U.S.C	. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			•
1. Certified copies of the priority documer	nts have been received.		
2. Certified copies of the priority documer		Application No	
Copies of the certified copies of the pricapplication from the International B     See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a))		ge
14) ☐ Acknowledgment is made of a claim for domes			plication).
a) ☐ The translation of the foreign language pr			•
15) Acknowledgment is made of a claim for domes			
Attachment(s)			
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449) Paper No(s)</li> </ol>	5) Notice of	v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-15	
S. Patent and Trademark Office			

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#### **DETAILED ACTION**

- 1. This is in response to Request for Continued Prosecution Application (CPA) filed on January 27, 2003; Amendment filed on December 18, 2002; and Preliminary Amendment filed on February 11, 2003. 1-17, 22-24, 27, 29, 32 and 35 were amended. Claims 1 and 4 are now three times amended. Claims 1-36 are pending in the instant application.
- 2. Outstanding rejections under 35 USC 112 applied to claims 1-5 and 18 in the previous Office Action are being withdrawn in response to the amendment. However, new rejections under 35 USC 112 are being applied herein below.

## Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 19-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claims 19 and 22, the scope of the claim cannot be ascertained because it is unclear which "driving means are not included in the information processing apparatus" (emphasis added) since the specification disclosed that the "information processing apparatus is made up of (include) a CPU 101, a memory 102, a ROM 103, a hard disc drive 104, a hard disc drive controller 105, a floppy disc drive 106, a floppy disc drive controller 107, a CD-ROM drive 108, a sound board 109, a speaker 110, a sound board controller 111, a graphics board 112,

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a display device 113, a graphics board controller 114 and a bus 115." [see Fig. 1 and Specification, page 7, lines 25-32].

Claims 20-21 and 23 are also rejected under the same rationale applied to claims 19 and 22 because they are dependent from the independent claims 19 and 22, respectively.

## Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 6-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Bartley (USPN 6,219,796).

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As per claim 6, Bartley discloses the claimed invention including power control method to control power supplied to a plurality of driving units (functional units) according to data to be processed (e.g. instruction type; col. 5, lines 2-4); detecting a type of the data to be processed is disclosed by Bartley, for example Bartley discloses the ability of processor to perform 'mapping' of instruction types to functional units (col. 5, lines 13-32); and controlling (e.g. control registers 11f or control logic unit 11g or power down logic 18; col. 3, lines 62 bridging col.4, lines 1-5) the plurality of driving units (functional units) according to said type of data to be processed (see col. 5, lines 9-58); "wherein the plurality of driving means is not included within a processor" is within the teachings of Bartley in that Bartley discloses that his invention applies to the selective power-modification of any "functional units" regardless of whether it is internal or external to the central processing unit (CPU) [e.g. col. 6, lines 40-59]. Furthermore, Bartley stated that power management is being directed to components within the processor, and can be directed even to functional units within the processor's CPU [see col. 2, lines 15-20]. This would indicate that Bartley's invention is directed to a processor chip and "processor" as referred to in Bartley's invention is a processor chip. The functional units being on a processor chip and can be internal or external to the CPU. Applicants stated in his REMARKS [page 2; Preliminary Amendment filed on February 11, 2003] that the support for the limitation "wherein the plurality of driving means is not included within a processor" to be on "Fig. 1 of the Specification, which illustrates that graphics board controller 114, sound board controller 111, ... are not included within CPU 101." Therefore, it is understood that the term "processor" as claimed is being referred to the CPU 101. Hence, the limitation of "the plurality of driving means (functional units) is not included within a processor (CPU)" is taught by Bartley.

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As per claim 7, controlling a power source which supplies power to the plurality of driving units (functional units) would be within the teachings of Bartley since Bartley discloses that sleep instruction or power up instruction are directed to the control of the supplying of power to the functional units [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58];

As per claim 8, Bartley discloses controlling the supply of power (power-up instruction) to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power (sleep instruction) to each of the functional units that cannot process (un-used functional units) the data to be processed [see col. 5, lines 9-59];

As per claim 9, Bartley discloses the claimed invention including a power control method to control power supplied to a plurality of driving units to be supplied with data to be processed, comprising: controlling (e.g. control registers 11f or control logic unit 11g or power down logic 18) [see col. 3, lines 62 bridging col.4, lines 1-5] which controls the plurality of driving units (e.g. functional units or peripheral units) according to control data added to said data to be processed (e.g. sleep instruction or power up instruction) [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58]; "wherein the plurality of driving means is not included within a processor" is within the teachings of Bartley in that Bartley discloses that his invention applies to the selective power-modification of any "functional units" regardless of whether it is internal or external to the central processing unit (CPU) [e.g. col. 6, lines 40-59]. Furthermore, Bartley stated that power management is being directed to components within the processor, and can be directed even to functional units within the processor's CPU [see col. 2, lines 15-20]. This would indicate that Bartley's invention is directed to a processor chip and

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"processor" as referred to in Bartley's invention is a processor chip. The functional units being on a processor chip and can be internal or external to the CPU. Applicants stated in his REMARKS [page 2; Preliminary Amendment filed on February 11, 2003] that the support for the limitation "wherein the plurality of driving means is not included within a processor" to be on "Fig. 1 of the Specification, which illustrates that graphics board controller 114, sound board controller 111, ... are not included within CPU 101." Therefore, it is understood that the term "processor" as claimed is being referred to the CPU 101. Hence, the limitation of "the plurality of driving means (functional units) is not included within a processor (CPU)" is taught by Bartley.

As per claim 10, controlling a power source which supplies power to the plurality of driving units (functional units) would be within the teachings of Bartley since Bartley discloses that sleep instruction or power up instruction are directed to the control of the power supply to the functional units [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58];

As per claims 11-13, the claims have the same scope of that of claims 6-8 except they are directed to the computer readable medium with a program for performing the addressed functions; therefore they are rejected with the same rationale as applied to claims 6-8 supra further Bartley also discloses a computer program memory 12.

As per claims 14 and 15, the claims have the same scope of that of claims 9 and 10 except they are directed to the computer readable medium with a program for performing the addressed functions; therefore they are rejected with the same rationale as applied to claims 9 and 10 supra further Bartley also discloses a computer program memory 12.

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As per claim 16, Bartley discloses controlling the supply of power (power-up instruction) to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power (sleep instruction) to each of the functional units that cannot process (un-used functional units) the data to be processed [see col. 5, lines 9-59]; Bartley further discloses a readable recording medium (program memory 12).

As per claims 17 and 18, Bartley discloses the claimed invention including a computer readable recording medium (program memory 12) comprising: data comprising: driving data to be supplied to driving means (data to be processed by the functional units or active instructions) [see cols. 3-5]; and control data (power down or up instructions) used to control other driving means (functional units that are not needed to execute a program segment) [see cols. 5-7]; wherein control data is recorded just before said driving data (e.g. power down instructions are inserted at the beginning of the segment) [see col. 6, lines 5-7 and col. 7, lines 27-28].

7. Claims 22-23, as understood, are rejected under 35 U.S.C. 102(e) as being anticipated by Bartley (USPN 6,219,796).

As per claim 22, Bartley discloses the claimed invention including an information processing apparatus which drives a plurality of driving units (functional units) according to data to be processed [e.g. instruction type; col. 5, lines 2-4] and a control unit (e.g. control registers 11f or control logic unit 11g or power down logic 18) [see col. 3, lines 62 bridging col.4, lines 1-5] which controls the corresponding driving unit (e.g. one of the functional units) according to said type of data to be processed (see col. 5, lines 9-58) or according to control data added to said

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data to be processed (e.g. sleep instruction or power up instruction) [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58].

As per claim 23, Bartley discloses wherein the control unit controls a power source which supplies power to the plurality of driving means (functional units) would be within the teachings of Bartley since Bartley discloses that sleep instruction or power up instruction are directed to the functional units [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58];

8. Claims 24-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Bartley (USPN 6,219,796).

As per claim 24, Bartley discloses the claimed invention including power control method to control power supplied to a plurality of driving units (functional units) according to data to be processed (e.g. instruction type; col. 5, lines 2-4); detecting a type of the data to be processed is disclosed by Bartley, for example Bartley discloses the ability of processor to perform 'mapping' of instruction types to functional units (col. 5, lines 13-32); and controlling (e.g. control registers 11f or control logic unit 11g or power down logic 18; col. 3, lines 62 bridging col.4, lines 1-5) the plurality of driving units (functional units) according to said type of data to be processed (see col. 5, lines 9-58); ]; "wherein the plurality of driving means is not included within a processor" is within the teachings of Bartley in that Bartley discloses that his invention applies to the selective power-modification of any "functional units" regardless of whether it is internal or external to the central processing unit (CPU) [e.g. col. 6, lines 40-59]. Furthermore, Bartley stated that power management is being directed to components within the processor, and can be

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directed even to functional units within the processor's CPU [see col. 2, lines 15-20]. This would indicate that Bartley's invention is directed to a processor chip and "processor" as referred to in Bartley's invention is a processor chip. The functional units being on a processor chip and can be internal or external to the CPU. Applicants stated in his REMARKS [page 2; Preliminary Amendment filed on February 11, 2003] that the support for the limitation "wherein the plurality of driving means is not included within a processor" to be on "Fig. 1 of the Specification, which illustrates that graphics board controller 114, sound board controller 111, ... are not included within CPU 101." Therefore, it is understood that the term "processor" as claimed is being referred to the CPU 101. Hence, the limitation of "the plurality of driving means (functional units) is not included within a processor (CPU)" is taught by Bartley.

As per claim 25, controlling a power source which supplies power to the plurality of driving units (functional units) would be within the teachings of Bartley since Bartley discloses that sleep instruction or power up instruction are directed to the control of the supplying of power to the functional units [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58];

As per claim 26, Bartley discloses controlling the supply of power (power-up instruction) to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power (sleep instruction) to each of the functional units that cannot process (un-used functional units) the data to be processed [see col. 5, lines 9-59];

As per claim 27, Bartley discloses the claimed invention including a power control method to control power supplied to a plurality of driving units to be supplied with data to be processed, comprising: controlling (e.g. control registers 11f or control logic unit 11g or power

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down logic 18) [see col. 3, lines 62 bridging col.4, lines 1-5] which controls the plurality of driving units (e.g. functional units or peripheral units) according to control data added to said data to be processed (e.g. sleep instruction or power up instruction) [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58]; "wherein the plurality of driving means is not included within a processor" is within the teachings of Bartley in that Bartley discloses that his invention applies to the selective power-modification of any "functional units" regardless of whether it is internal or external to the central processing unit (CPU) [e.g. col. 6, lines 40-59]. Furthermore, Bartley stated that power management is being directed to components within the processor, and can be directed even to functional units within the processor's CPU [see col. 2, lines 15-20]. This would indicate that Bartley's invention is directed to a processor chip and "processor" as referred to in Bartley's invention is a processor chip. The functional units being on a processor chip and can be internal or external to the CPU. Applicants stated in his REMARKS [page 2; Preliminary Amendment filed on February 11, 2003] that the support for the limitation "wherein the plurality of driving means is not included within a processor" to be on "Fig. 1 of the Specification, which illustrates that graphics board controller 114, sound board controller 111, ... are not included within CPU 101." Therefore, it is understood that the term "processor" as claimed is being referred to the CPU 101. Hence, the limitation of "the plurality of driving means (functional units) is not included within a processor (CPU)" is taught by Bartley.

As per claim 28, controlling a power source which supplies power to the plurality of driving units (functional units) would be within the teachings of Bartley since Bartley discloses that sleep instruction or power up instruction are directed to the control of the power supply to

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the functional units [see col. 5, lines 60 bridging col. 7, lines 1-61; particularly col. 7, lines 56-58];

As per claims 29-31, the claims 29-31 are similar in scope as compare with claims 24-26 except for being drafted in a computer readable medium format. Therefore, claims 29-31 are being rejected under the same rationale as applied to claims 24-26 supra. Bartley further discloses a readable recording medium (program memory 12).

As per claims 32 and 33, the claims 32 and 33 are similar in scope as compare with claims 27 and 28 except for being drafted in a computer readable medium format. Therefore, claim 32 is rejected under the same rationale as applied to claims 27 and 28 supra. Bartley further discloses a readable recording medium (program memory 12).

As per claim 34, Bartley discloses a computer readable medium (program memory 12) including controlling the supply of power (power-up instruction) to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power (sleep instruction) to each of the functional units that cannot process (un-used functional units) the data to be processed [see col. 5, lines 9-59];

As per claim 35, Bartley discloses a computer readable medium (program memory 12) from which a program can be read (fetching instructions) by a computer to drive a plurality of driving units (functional units) according to data to be processed (instructions), comprising: supplying driving data (instruction for execution by the functional units) to driving units (functional units); controlling (power-up or sleep instructions) other driving units (functional units that are not needed to execute a program segment) using control data (power-up instructions or sleep instructions) [see col. 5, lines 9-59; see also col. 7, lines 10-60]; "wherein

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the plurality of driving means is not included within a processor" is within the teachings of Bartley in that Bartley discloses that his invention applies to the selective power-modification of any "functional units" regardless of whether it is internal or external to the central processing unit (CPU) [e.g. col. 6, lines 40-59]. Furthermore, Bartley stated that power management is being directed to components within the processor, and can be directed even to functional units within the processor's CPU [see col. 2, lines 15-20]. This would indicate that Bartley's invention is directed to a processor chip and "processor" as referred to in Bartley's invention is a processor chip. The functional units being on a processor chip and can be internal or external to the CPU. Applicants stated in his REMARKS [page 2; Preliminary Amendment filed on February 11, 2003] that the support for the limitation "wherein the plurality of driving means is not included within a processor" to be on "Fig. 1 of the Specification, which illustrates that graphics board controller 114, sound board controller 111, ... are not included within CPU 101." Therefore, it is understood that the term "processor" as claimed is being referred to the CPU 101. Hence, the limitation of "the plurality of driving means (functional units) is not included within a processor (CPU)" is taught by Bartley.

As per claim 36, Bartley discloses that the control data (power down instruction) is recorded just before the driving data (power down instruction is inserted at the beginning of the segment) [see col. 6, lines 5-7 and col. 7, lines 27-28].

9. Claims 1-3 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Swanberg (USPN 5,832,280).

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As per claims 1 and 19, Swanberg discloses the claimed invention including an information processing apparatus to drive a plurality of driving units according to data to be processed, comprising: a detection unit to detect a type of data to be processed is disclosed in the system of Swanberg in that Swanberg states that the "CPU 50 fetches, decodes (detects), and executes instructions" [see col. 4, lines 1-2]; a plurality of control units (e.g. disk controller 66, CD-ROM controller 76 and display controller 98), each of which to control a corresponding driving unit according to the type of data to be processed e.g. Swanberg states that the display controller 98 includes "electronic components required to generate video signal that is sent to display 96." [see col. 5, lines 59-60]; wherein the plurality of driving means (e.g. modem 34, CD-ROM 36 and floppy disk drive 40) "is not included in a processor" is within the teaching of Swanberg in that Swanberg states that "each of which may be internal or external to the enclosure of processor 22" [col. 3, lines 22-27].

As per claim 2, Swanberg discloses a power control unit (e.g. power management controller 136) that controls a power source which supplies power to the plurality of driving unit [e.g. col. 6, lines 65 et seq. bridging col. 7, lines 1-15].

As per claim 3, Swanberg discloses wherein the control unit supplies power to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power to each of the functional units that cannot process (functional units not currently being used) the data to be processed [see e.g. col. 6, lines 65 et seq. bridging col. 7, lines 1-15 and col. 8, lines 55 et seq. bridging col. 9, lines 1-20].

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10. Claims 1-3 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Holzhammer et al. (USPN 5,754,869; hereinafter Holzhammer).

As per claims 1 and 19, Holzhammer discloses the claimed invention including an information processing apparatus to drive a plurality of driving units according to data to be processed, comprising: a detection unit to detect a type of data to be processed is inherent in the system of Holzhammer since Holzhammer discloses that his system comprises a CPU and that it is well known in the computer art that the CPU fetches, decodes (detects), and executes instructions therefore the detection unit to detect a type of data to be processed is inherent in the system of Holhammer; a plurality of control units (e.g. device drivers 15), each of which to control a corresponding driving unit according to the type of data to be processed e.g. see col. 3, lines 59-65); wherein the plurality of driving means (e.g. buses or external buses, chipsets, controllers, disk spindles etc.) "is not included in a processor" is within the teaching of Holzhammer in that Holzhammer disclosed that external driving means e.g. external buses are not included in a processor (CPU) [see col. 6, lines 15-23 & 37-44 and col. 7, lines 37-42].

As per claim 2, Holzhammer discloses a power control unit (e.g. power management controller 21 and device drivers 15) that controls a power source which supplies power to the plurality of driving unit [e.g. col. 3, lines 59-65].

As per claim 3, Holzhammer discloses wherein the control unit supplies power to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power to each of the functional units that cannot process (devices not currently being used) the data to be processed [see e.g. col. 3, lines 59-65].

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11. Claims 1-5 and 19-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Smith et al. (USPN 5,167,024; hereinafter Smith).

As per claims 1 and 19, Smith discloses the claimed invention including an information processing apparatus to drive a plurality of driving units (e.g. disk controller, communication controllers, modem) according to data to be processed, comprising: a detection unit to detect a type of data to be processed is inherent in the system of Smith since Smith discloses that his system comprises a CPU and that it is well known in the computer art that the CPU fetches. decodes (detects), and executes instructions therefore the detection unit to detect a type of data to be processed is inherent in the system of Smith; a plurality of control units (e.g. device or software drivers; see col. 9, lines 50-68), each of which to control a corresponding driving unit according to the type of data to be processed (e.g. see col. 9, lines 50-68); wherein the plurality of driving means (e.g. disk controller, communication controllers and modem etc.) "is not included in a processor" is within the teaching of Smith in that Smith disclosed that the driving means e.g. disk controller, communication controllers and modem are included in the computer system but not included in the CPU in that Smith stated that "computer 10 comprised of a CPU, ... LCD unit 15, ... and an input/output unit 19 which includes an I/O controller 19a and at least one I/O device 19b ... Computer 10 ... further includes a disk controller 20 ... and modem" [see col. 6, lines 15-23 & 37-44 and col. 7, lines 37-42].

As per claim 2, Smith discloses a power control unit (e.g. drivers and power management controller 11) that controls a power source which supplies power to the plurality of driving unit [e.g. col. 9, lines 50-68].

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As per claim 3, Smith discloses wherein the control unit supplies power to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power to each of the functional units that cannot process (unneeded devices) the data to be processed [see e.g. col. 9, lines 50-68].

As per claim 4, Smith discloses an information processing apparatus to drive a plurality of driving means (peripheral devices and drivers) according to data to be processed (particular data type), the information processing apparatus comprising: a plurality of control units (drivers) each of which to control a corresponding driving means (e.g. peripheral devices) according to control data added to the data to be processed (e.g. commands provided by the CPU in response to a stored routine) [see col. 9, lines 40-68]; wherein the plurality of driving means (e.g. disk controller, communication controllers and modem etc.) "is not included in a processor" is within the teaching of Smith in that Smith disclosed that the driving means e.g. disk controller, communication controllers and modem are included in the computer system but not included in the CPU in that Smith stated that "computer 10 comprised of a CPU, ... LCD unit 15, ... and an input/output unit 19 which includes an I/O controller 19a and at least one I/O device 19b ...

Computer 10 ... further includes a disk controller 20 ... and modem" [see col. 6, lines 15-23 & 37-44 and col. 7, lines 37-42].

As per claim 5, Smith discloses an information processing apparatus including the control unit (power management controller 11 and drivers) controls a power source which supplies power to said plurality of driving means (peripheral devices) [see col. 9, lines 40-68];

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As per claim 20, Smith discloses wherein each of the plurality of control units (drivers) controls a power source which supplies power to its corresponding driving unit e.g. Smith states that drivers of the computer 10 are responsible to powering on and off their respective peripheral devices [see col. 9, lines 50-52];

As per claim 21, Smith discloses wherein each of the plurality of control units supplies power to each of the plurality of driving units that can process the data to be processed, and stopping a supply of power to each of the driving units that cannot process (needed devices) the data to be processed [see e.g. col. 9, lines 50-68].

# Response to Arguments

12. Applicant's arguments with respect to the claims have been considered and addressed in the detailed rejections supra.

#### Conclusion

- 13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See attached list of references cited on Form PTO-892.
- 14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xuan M. Thai whose telephone number is (703) 308-2064.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Mark Rinehart can be reached on (703) 305-4815.

The fax phone numbers for the organization where this application or proceeding is

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assigned are as follows:

(703) 746-7238

[After Final Communication]

(703) 746-7239

[Official Communication]

(703) 746-7240

[For Status inquiries and draft communication]

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

XUAN M. THAI PRIMARY EXAMINER TECHNOLOGY CENTER 2100

XMT May 4, 2003